

Title (en)
High-frequency knife and endoscopic apparatus

Title (de)
HF-Messer und Endoskopiegerät

Title (fr)
Couteau à haute fréquence et appareil endoscopique

Publication
EP 1522269 B1 20101201 (EN)

Application
EP 04023792 A 20041006

Priority
JP 2003347311 A 20031006

Abstract (en)
[origin: EP1522269A1] A high-frequency knife (1) includes a cylindrical body member (2), electrically conductive axial member (12, 13, 14), operating section (3), and electrical insulating member (16). At least an outer peripheral surface of the body member has insulating properties. The axial member is inserted in the body member. A distal end portion of the axial member has a knife section (14). The operating section is provided on a proximal end portion of the axial member, can be actuated by a surgeon to project and retract the axial member with respect to the body member, and can supply electric power to the axial member. The insulating member is provided on the distal end of the axial member in a position at a distance from the distal end of the body member and has at least the longest axis of a cross section of the knife section. <IMAGE>

IPC 8 full level
A61B 18/12 (2006.01); **A61B 18/14** (2006.01); **A61B 17/32** (2006.01)

CPC (source: EP KR US)
A61B 17/32 (2013.01 - KR); **A61B 18/12** (2013.01 - KR); **A61B 18/1402** (2013.01 - EP US); **A61B 18/1492** (2013.01 - EP US);
A61B 17/32 (2013.01 - EP US); **A61B 2018/00601** (2013.01 - EP US); **A61B 2018/1475** (2013.01 - EP US); **Y10T 83/04** (2015.04 - EP US)

Citation (examination)
US 2001056248 A1 20011227 - ZIMMON DAVID S [US]

Cited by
CN102458290A; EP2168516A1; CN101711704A; EP2910212A4; DE112008000878B4; DE112008000879B4; US8425510B2; WO2010118818A1;
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Designated contracting state (EPC)
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